Harmful Algal Bloom Sample Collection Protocol for Virginia

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SITE INSPECTION:		
	1 \	water, color of bloom, presence of odor, scum, ct.) Photos of conditions at the site are useful.
☐ Record environmental paramete conductivity, and secchi depth).	_	re, water color, salinity, pH, dissolved oxygen,
☐ Record site name, latitude and lo surface layer (3 m), bottom.	ngitude of sample location, an	d position of sample taken (ie: scum layer, sub
☐ Record HAB Report Number if I	known.	
from the area of the bloom. Whe surface. The cells present at the	en there is a <u>scum present</u> , take surface exposed to air and su	reated (live) and one preserved with Lugol's) e a second collection by skimming the water's in are often degraded and not well suited for e bloom stage and conditions on site.
PHYTOPLANKTON WATER SAM	PLE COLLECTION:	
Preserved samples are for taxe	onomic enumerations. Un	treated samples are for toxin analysis
and are useful for further taxo	nomic inquiries.	
solution at a ratio of 1:100. To acl (5 mL for a 500 mL bottle) so that	hieve a ratio of 1:100, add appro at the final preserved sample co	
\square For the <u>untreated sample</u> , collect	t 250 mL in an Amber glass bo	ttle. <i>Do not</i> add fixative.
above, one untreated (live) and	one fixed with Lugol's.	ers may take the place of the bottles described
☐ Label each bottle clearly with latreatment (ie: preserved or live).		(ie: boat landing, scum or dock, -0.3m), date,
PHYTOPLANKTON SCUM:		
Some planktonic algae blooms	s form visible scums on th	ıe water surface .
☐ For the <u>scum sample</u> , collect one iodine solution at a ratio of 1:1	e 500 mL (preserved) in a plast 00 and one 250mL (untreated	tic bottle or cubitainer and administer Lugol's (/live) Amber glass bottle from the air-water nkton water samples collected at or nearby the
☐ Label each sample clearly.		
SHIPPING:		
Shipping containers should be	packed to prevent leakag	ge or breakage and expedited overnight
for delivery within 24 hours of	f sampling.	
☐ Samples should be kept cool w newspaper or another barrier.	ith freezer packs, and the bot	ttles protected from freezing by wrapping in
☐ All shipping containers should b	be lined with a garbage bag to	avoid leakage and packed to avoid breakage.

☐ Include field data sheets or chain of custody forms in the shipping container protected from moisture or send

a digital copy of the forms to phytolab@odu.edu.



SHIPPING ADDRESS

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